

**SELECTIVE ADSORPTION OF ALKENES USING
SUPPORTED METAL COMPOUNDS**

Abstract of the Disclosure

The invention provides novel adsorbents for use in the separation of
5 unsaturated hydrocarbons from a mixture of gases containing such hydrocarbons.
The preferred adsorbents comprise metal compounds supported on high surface area
carriers. The adsorbents of the invention are usable in pressure swing adsorption or
temperature swing adsorption processes.

100 90 80 70 60 50 40 30 20 10 0